

PJM Summer Operations 2017



Illinois Commerce Commission

May 9, 2017

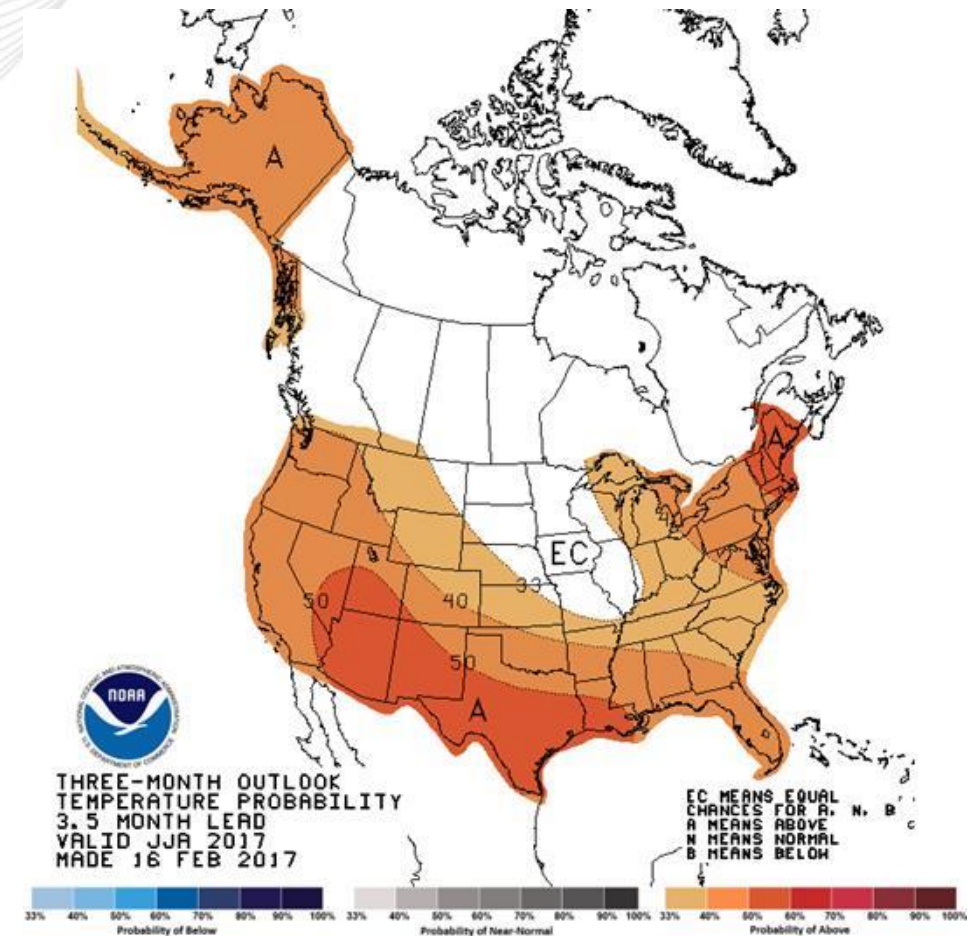
Kenneth S. Seiler, Executive Director
System Operations

Richard Mathias, Senior Consulate

Summer 2017 Temperature Forecast

- Current forecasts show a higher probability of above average temperatures for the entire RTO this summer.

For the period June – August 2017. Temperature probabilities followed by precipitation.



PJM Load and Capacity Comparison: 2017 vs. 2016

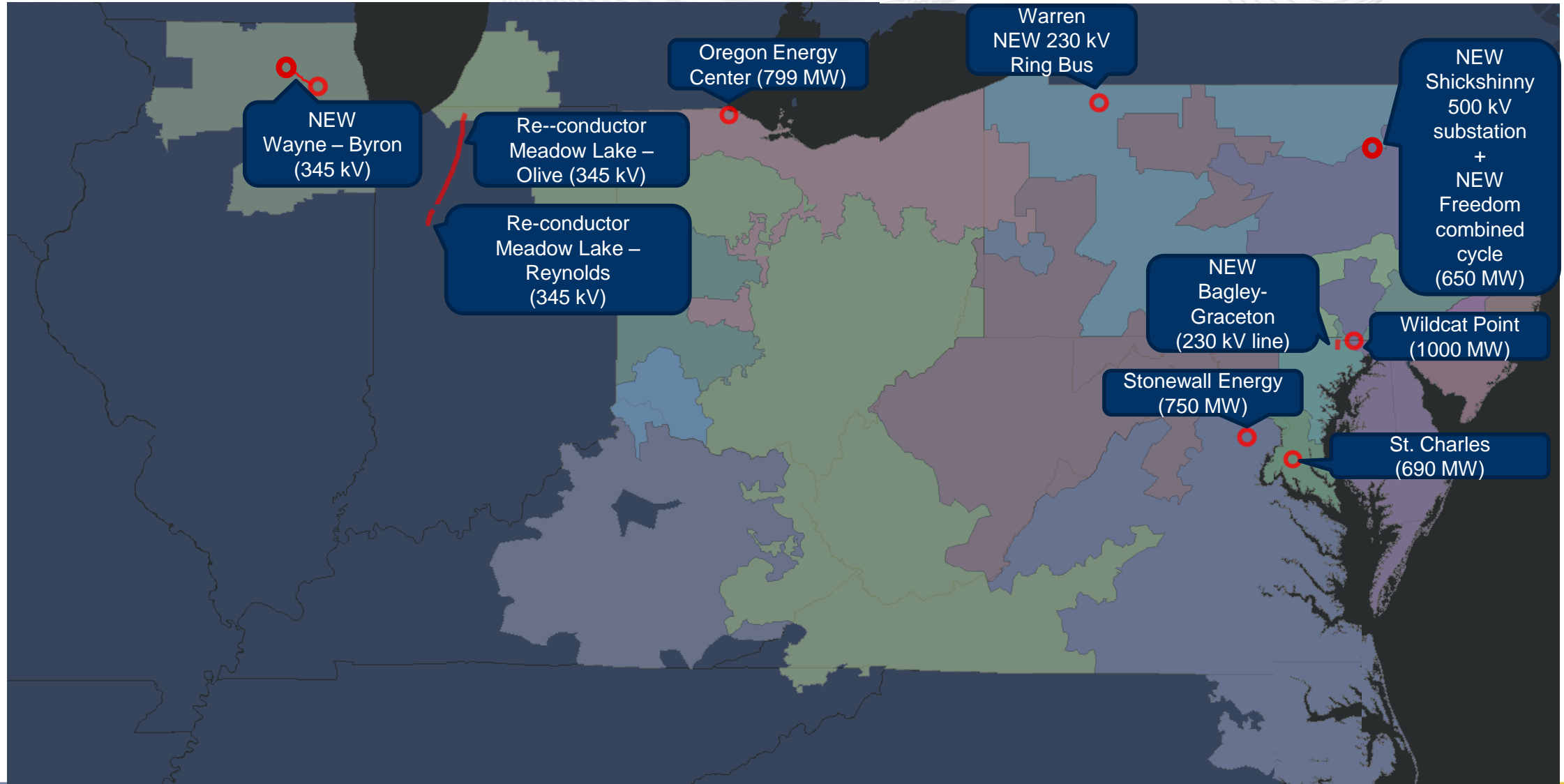
2017

Forecast Load (MW) Total	Demand Response (MW)	Forecast Load Less Demand Response (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
152,999 ↑	9,120 ↑	143,879 ↑	* 185,804 ↑	41,925 ↑	29.1% ↑	16.6% ↑

Summer installed capacity estimate as of 3/21/17 since the final installed capacity depends on the commissioning of new generation prior to the summer.*

2016

Forecast Load (MW) Total	Demand Response (MW)	Forecast Load Less Demand Response (MW)	Installed Generation Capacity (MW)	Reserve Margin (MW)	Reserve Margin	Required Reserve Margin
152,131	8,777	143,354	183,912	40,558	28.3%	16.4%



ComEd

Bryon to Wayne 345 KV line

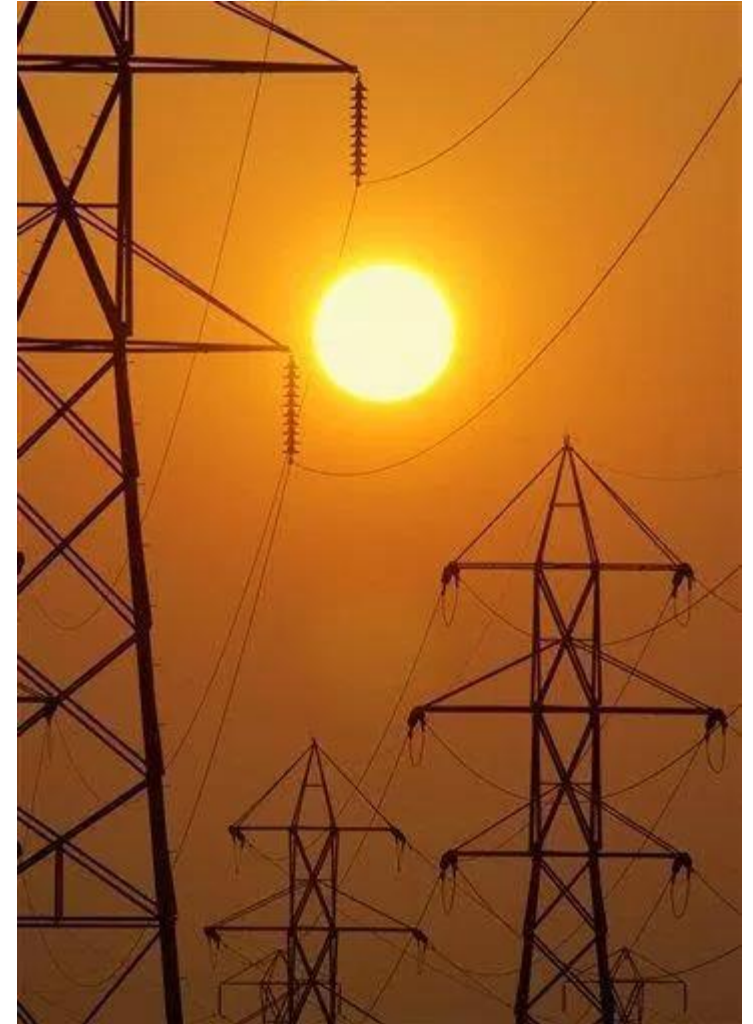
- In-service April 7, 2017
- Alleviates heavy west to east congestion

Powerton Bus Reconfiguration

- In-service by June 2017
- Improves area reliability



- Perform a Summer Seasonal Assessment
- Run emergency drills to ensure readiness
- System Operator Training
- Assess the weather outlook daily
- Review projected load and capacity daily
- Coordinate with neighboring grid operators to discuss the season



Cyber and physical security practices protect information, systems, facilities and the people within the PJM footprint

- PJM entrusted with critical member and market data
- Connected to nearly 1,000 members and 13 states + D.C.

***From reliability and efficiency
to system resilience***

